UNITED STATES FORT HOWES QUADRANGLE DEPARTMENT OF THE INTERIOR ANATHOM 7.5 MINUTE SERIES (TOPOGRAPHIC) GEOLOGICAL SURVEY KING MOUNTAIN 106°07′30″ -45°22′30″ 106°15′ 45°22′30″ R. 44 E. R. 45 E. 12'30" This report has not been edited for con-28 27 26 25 30 formity with U.S. Geological Survey edi-25 29 torial standards or Stratigraphic nomen-36 33 34 32 35 36 31 T. 5 S. T. 5 S. T. 6 S. T. 6 S. OVERBURDEN ISOPACHS—Showing MINING RATIO CONTOUR--Number STRIPPING LIMIT LINE--Boundary Lower Canyon coal bed 12 BOUNDARY OF RESERVE BASE 14 13 18 DRILL HOLE--Showing thickness To convert cubic yards of over-To convert feet to meters, 22 23 20 19 Upper Canyon coal bed 17'30" 25 30 31 T. 6 S. T. 7 S. 11 45°15′ 106°15′ R 45 E. R 46 E. 106°07′30″ Compiled in 1977 SCALE 1:24000 Base from U.S. Geological Survey, 1966 1 KILOMETER UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE FORT HOWES QUADRANGLE, ROSEBUD AND POWDER RIVER COUNTIES, MONTANA

> BY E. J. McKAY AND L. N. ROBINSON 1979

PLATE 10 OVERBURDEN ISOPACH AND MINING RATIO MAP OF THE UPPER AND LOWER CANYON COAL BEDS

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EXPLANATION

thickness of overburden, in feet, from the surface to the top of the coal bed. Isopach interval 200 feet

indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas within

for surface mining of the coal bed (in this quadrangle,

the 200-foot-overburden

isopach). Arrows point toward the area suitable for surface mining.

Reserve Base coal.

coal bed.

COAL--Drawn along the outcrop of coal bed or the contact between burned and unburned coal where the coal bed is 5 feet (1.5 m) or more thick, and the 5-foot coal isopach. Arrows point toward area of

of overburden, in feet, from the surface to the top of the

burden per short ton of recoverable coal to cubic meters of overburden per metric ton of recoverable coal, multiply by 0.84.

multiply feet by 0.3.

the stripping limit.

(61 m).